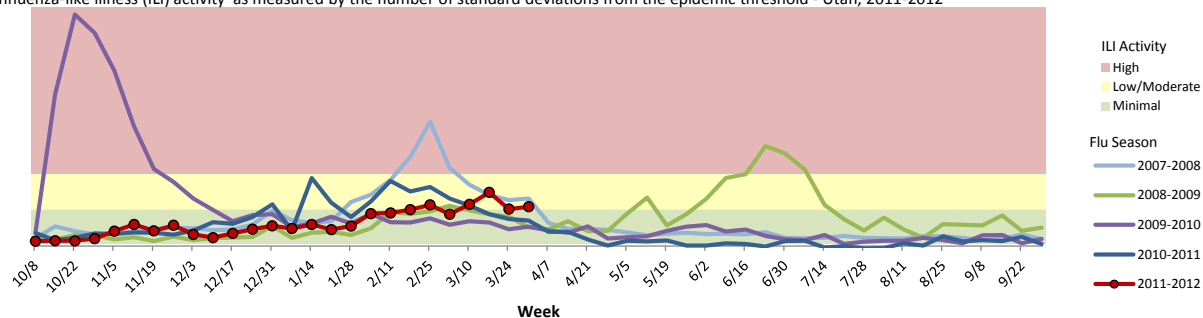


### Influenza-like Illness Activity

#### Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold - Utah, 2011-2012



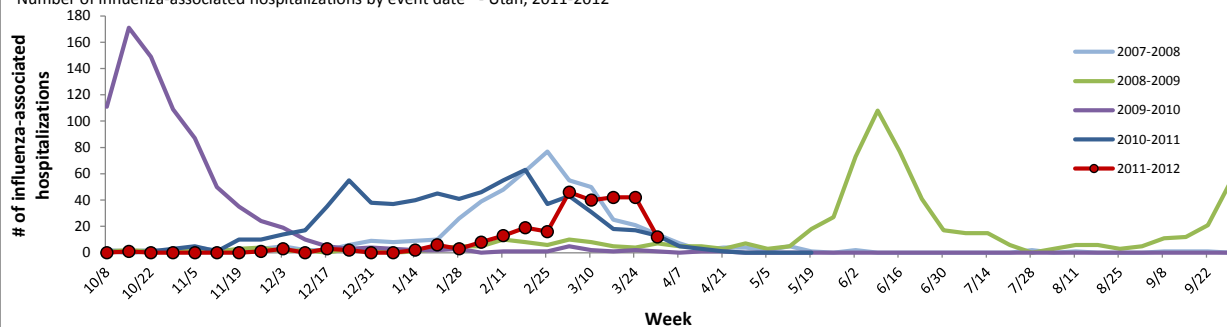
#### Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Low/Moderate
Central	Minimal
Davis	Minimal
Salt Lake	Low/Moderate
Southwest	Minimal
Summit	No Data
Tooele	No Data
TriCounty	Minimal
Utah	Low/Moderate
Wasatch	Minimal
Weber-Morgan	Minimal
State	Low/Moderate

### Severity Measures

#### Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date\* - Utah, 2011-2012



\*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

#### Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable		Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	143	55.2%	50.3%	0.1140
	Female	110	42.5%	49.7%	0.0200
	Unknown	6	2.3%	NA	--
Race	White, Not Hispanic	188	72.6%	82.0%	<0.0001
	Hispanic	40	15.4%	11.6%	0.0525
	Native Hawaiian/Pacific Islander	17	6.6%	0.7%	<0.0001
	Black/African American	6	2.3%	0.9%	0.0205
	American Indian	1	0.4%	1.1%	0.2564
	Asian	7	2.7%	1.9%	0.3218
	Unknown	0	0.0%	NA	--

\*If a p value is  $\leq 0.05$ , there is a significant difference between the percentage seen in IAH and the general Utah population.

**Severity Measures, cont.**

**Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012**

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	68	26.3%	25.1	1
5-24 years	43	16.6%	4.5	2
25-49 years	59	22.8%	5.9	3
50-64 years	47	18.1%	11.7	5
65+ years	42	16.2%	17.0	1
Total	259	100%	9.1	12

**Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date**

Health District	Total Hospitalizations
Bear River	8
Central	14
Davis	18
Salt Lake	157
Southeastern	1
Southwest	17
Summit	4
Tooele	1
TriCounty	0
Utah	22
Wasatch	0
Weber-Morgan	17

**Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date**

Variable	Yes		No		Unknown	
	Number of Cases	% of cases	Number of Cases	% of cases	Number of Cases	% of cases
ICU	44	17.0%	196	75.7%	19	7.3%
Ventilator	13	5.0%	223	86.1%	23	8.9%
Died	3	1.2%	240	92.7%	16	6.2%
Neurological Symptoms	27	10.4%	213	82.2%	19	7.3%
Healthcare Worker	3	1.2%	202	78.0%	54	20.8%
Pregnant	11	4.2%	244	94.2%	4	1.5%
Heart Disorder	41	15.8%	197	76.1%	21	8.1%
Blood Disorder	7	2.7%	225	86.9%	27	10.4%
Kidney Disorder	17	6.6%	224	86.5%	18	6.9%
Metabolic Disorder	49	18.9%	189	73.0%	21	8.1%
Chronic Respiratory Disorder	93	35.9%	147	56.8%	19	7.3%
Immunosuppressed	19	7.3%	219	84.6%	21	8.1%
Neurological Disorder	27	10.4%	213	82.2%	19	7.3%
Seizure Disorder	10	3.9%	227	87.6%	22	8.5%
Bacterial Co-infection	6	2.3%	235	90.7%	18	6.9%
Obese**	50	33.3%	42	28.0%	58	38.7%
Morbidly Obese**	14	9.3%	78	52.0%	58	38.7%
Risk Factor***	225	86.9%	34	13.1%	0	0.0%
Vaccinated	70	27.0%	123	47.5%	66	25.5%

\*\*Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

\*\*\*Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

**Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012**

Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	11	91.7%	247	95.4%
Probable**	1	8.3%	12	4.6%
Total	12	100.0%	259	100.0%

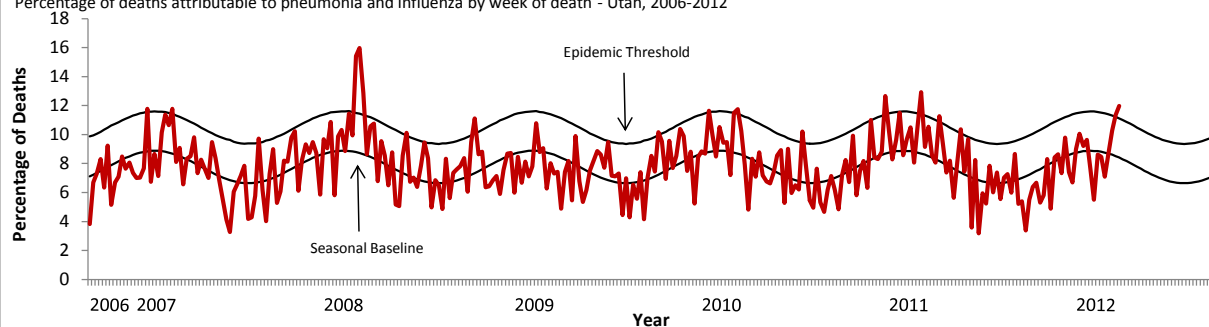
\*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test

\*\*Probable= hospitalized with a positive rapid test

### Pneumonia and Influenza Deaths

#### Pneumonia and Influenza Deaths

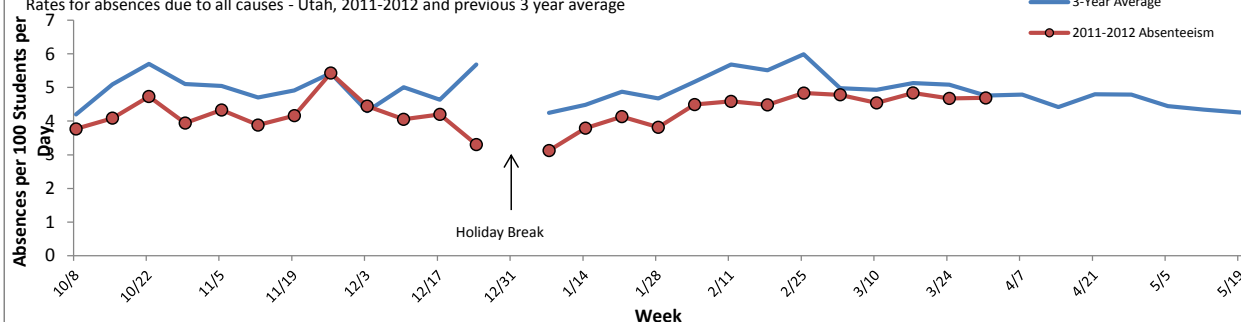
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012



### School Absenteeism

#### Student Absenteeism by Week

Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average



**Weekly Student Absenteeism - Utah, 2011-2012**

Health District	All absences per 100 students/day
Bear River	3.7
Central	5.0
Davis	3.6
Salt Lake	4.6
Southeast	6.0
Southwest	5.7
Summit	3.9
Tooele	6.6
TriCounty	5.0
Utah	2.9
Wasatch	4.2
Weber-Morgan	5.6
<b>State</b>	<b>4.7</b>

### Virologic Data

#### Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	Percent	Number	Percent
Specimens tested	1,203	--	102	--
Positive specimens	823	68.4%	92	90.2%
<b>Positive Specimens by Type/Subtype</b>				
Influenza A	815	99.0%	92	100.0%
A (2009 H1N1)	549	67.4%	61	66.3%
A (H1)	0	0.0%	0	0.0%
A (H3)	266	32.6%	31	33.7%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	8	1.0%	0	0.0%

#### Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012

